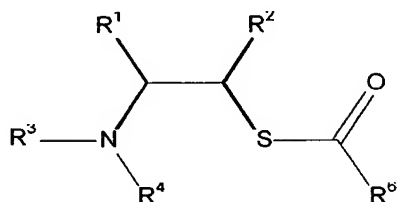


WHAT IS CLAIMED IS:

1. An acylated aminothiols compound, having a general formula II,



II

wherein R¹ is aryl or alkyl of C1-C9;

R² is aryl or alkyl of C1-C9;

10 R³ is alkyl of C1-C9;

R⁴ is alkyl of C1-C9; or

R³, R⁴ and N form a cycle; and

R⁶ is H or alkyl of C1-C6.

2. The acylated aminothiols compound as claimed in claim 1, wherein
- 15 R³, R⁴ and N form a three-to-eight-membered heterocycle.

3. The acylated aminothiols compound as claimed in claim 1, wherein R³, R⁴, O and N form a ring by means of morpholine.

4. The acylated aminothiols compound as claimed in claim 1, wherein R³, R⁴, O and N form a ring by means of morpholine.

- 20 5. The acylated aminothiols compound as claimed in claim 1, which are chiral ligands capable of reacting with organic metal compounds to form metal complexes and then react with carbonyl compounds to produce alkylmetal in asymmetric addition reactions.

6. The acylated aminothiols compound as claimed in claim 5, wherein
- 25 said carbonyl compound is aldehyde.

7. The acylated aminothiols compound as claimed in claim 5, wherein said carbonyl compound is ketone.

8. The acylated aminothiols compound as claimed in claim 5, wherein said organic metal is Zn, Cu, or Ti.